

What is claimed is:

1. A pneumatic tire having a film-shaped electronic device on a surface of the tire or inside the tire, the film-shaped electronic device being slidable between sheet-shaped members disposed on both surfaces of the film-shaped electronic device.
2. A pneumatic tire according to claim 1, wherein two sheet-shaped members disposed on the both surfaces have peripheries bonded to each other to thereby form a room between the two sheet-shaped members, in which the film-shaped electronic device is slidable.
3. A pneumatic tire according to claim 1 or 2, wherein the film-shaped electronic device is a film-shaped transponder from which tire identification information can be read, the film-shaped transponder comprising a base film, an integrated circuit and a coil-shaped antenna, the integrated circuit and coil-shaped antenna being provided on the base film.
4. A pneumatic tire according to claim 3, wherein the film-shaped transponder is placed on an outer surface of the tire, at least one of the two sheet-shaped members positioned on the front surface side thereof being formed of a transparent material, information identical to the tire identification information being shown on the front surface of the film-shaped transponder.
5. A pneumatic tire according to claim 3 or 4, wherein the film-shaped transponder is 0.2 to 0.8 mm in thickness.
6. A pneumatic tire according to claim 1, 2, 3, 4 or 5, wherein the sheet-shaped members are formed of a resin which has a melting

point of 150°C or more.

7. A pneumatic tire according to claim 6, therein the resin is a fluorocarbon resin.

8. A method of mounting a film-shaped electronic device comprising:

forming a film-shaped electronic device containing sheet assembly having sheet-shaped members and an electronic device slidably contained between the sheet-shaped members; and

fixing the film-shaped electronic device containing sheet assembly inside or to a surface of an uncured tire, or to a surface of a cured tire.